

01-18-02

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Box SEAPlease type a plus sign (+) inside this box ☐

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0851-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	Rubin 201-KGB
First Inventor	Dr. Berish RUBIN et al
Title	See Appendix
Express Mail Label No.	EV 015940835 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification (Total Pages **18**)
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets **6**)
5. Oath or Declaration (Total Pages **2**)
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☒ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper
 - c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: APPENDIX ; EXPRESS MAIL CERTIFICATE

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ / _____

Prior application information:

Examiner _____

Group / Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

(Insert Customer Number or Bar Code Label here)

Name	27384			
PATENT TRADEMARK OFFICE				
Address				
City	State	Zip Code		
Country	Telephone	Fax		

Name (Print/Type)	KURT G. BRISCOE	Registration No. (Attorney/Agent)	33,141
Signature		Date	1-16-2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JC658 U.S. PTO

01/16/02

JC997 U.S. PTO
10/050189

01/16/02

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PTO/SB/17 (XX-XX)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Dr. Berish RUBIN et al
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned
Attorney Docket No.	101438-2 / Rubin 201-KGB

TOTAL AMOUNT OF PAYMENT

\$510.00

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

14-1263

Deposit Account Name

Norris McLaughlin & Marcus

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

- ☒ Applicant claims small entity status. See 37 CFR § 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid	
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	180	214	80	Provisional filing fee	
SUBTOTAL (1)				\$370.00	

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
8	-20** = 0	18.00	0.00
Independent Claims	7	-3** = 0	84.00
Multiple Dependent		140.00	140.00

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$140.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Code	Small Entity Code	Fee (\$)	Fee Description	Fee Paid	
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non - English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	480	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR § 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

SUBMITTED BY

Name (Print/Type)	Kurt G. Brisson	Registration No. (Attorney/Agent)	33,141	Telephone	(212) 808-0700
Signature		Date	1-16-2002		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

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APPENDIX

TITLE: DETECTION OF MUTATIONS IN A GENE ENCODING I κ B KINASE-COMPLEX-ASSOCIATED PROTEIN TO DIAGNOSE FAMILIAL DYSAUTONOMIA

LIST OF INVENTORS: DR. BERISH Y. RUBIN and DR. SYLVIA L. ANDERSON

CLAIM TO PRIORITY:

Priority is hereby claimed under 35 USC 120 on the basis of US Provisional Application Serial No. 60/262,284, filed on January 17, 2001.

"Express Mail" Mailing Label No. EV 015940835 US

Date of Deposit: January 16, 2002

I hereby certify that the items listed on the attached Utility Patent Application Transmittal are being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Hon. Commissioner for Patents, Washington, D.C. 20231.

NORRIS, McLAUGHLIN & MARCUS

By: Jennifer Arch

APPLICANT: DR. BERISH RUBIN et al

TITLE: DETECTION OF MUTATIONS IN A GENE ENCODING I κ B KINASE-
COMPLEX-ASSOCIATED PROTEIN TO DIAGNOSE FAMILIAL
DYSAUTONOMIA

PROVISIONAL APPLICATION NO.: 60/262,284

EXPRESS MAIL CERTIFICATE

"Express Mail" mailing label number EV 015940835 US

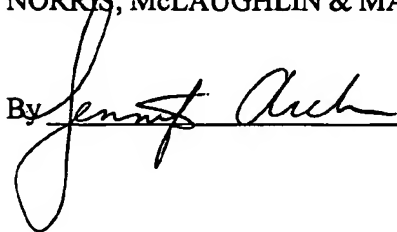
Date of Deposit January 16, 2002

I hereby certify that the following items:

1. Utility Patent Application Transmittal Form
2. Appendix
3. Fee Transmittal in duplicate - **SMALL ENTITY - CHARGE DEPOSIT ACCOUNT**
4. Specification consisting of Description (pages 1- 13); References Cited (pages 14-15); 8 Claims (pages 16-17); Abstract (page 18); 6 pages of Drawings (Pages 19-24); and Sequence Listing (4 Pages)
5. Combination Declaration & Power of Attorney
6. Information Disclosure Statement with Form PTO 1449 and two references
7. Return Receipt Postcard
8. Statement Regarding Sequence Listing
9. Diskette Containing Sequence Listing

are being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the: Hon. Commissioner for Patents, Washington, D.C. 20231, Box Patent Application.

NORRIS, McLAUGHLIN & MARCUS, P.A.

By 

Rubin 201-KGB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : DR. BERISH RUBIN ET AL.
SERIAL NO. : TO BE ASSIGNED
FILED : HERewith
FOR : DETECTION OF MUTATIONS IN A GENE ENCODING I κ B KINASE-
COMPLEX-ASSOCIATED PROTEIN TO DIAGNOSE FAMILIAL
DYSAUTONOMIA
ART UNIT : TO BE ASSIGNED
EXAMINER : TO BE ASSIGNED

January 16, 2002

Hon. Commissioner of Patents
Washington, D.C. 20231

STATEMENT REGARDING THE SEQUENCE LISTING

SIR:

Attached is a computer diskette containing a computer readable form of the paper Sequence Listing embedded in the specification. The undersigned hereby certifies that the paper Sequence Listing does not introduce new matter, and that the content of the paper Sequence Listing and the computer readable form copy is the same and includes no new matter.

Early and favorable action is earnestly solicited.

Respectfully submitted,
NORRIS McLAUGHLIN & MARCUS, P.A.

By 
Kurt G. Briscoe
Reg. No. 33,141

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